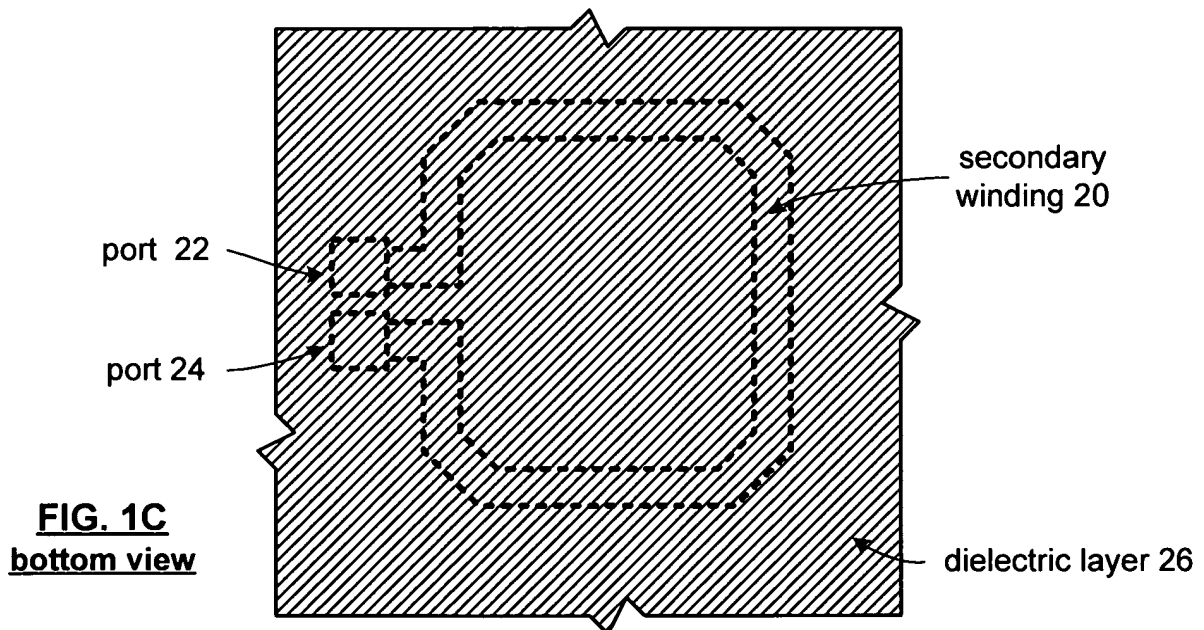
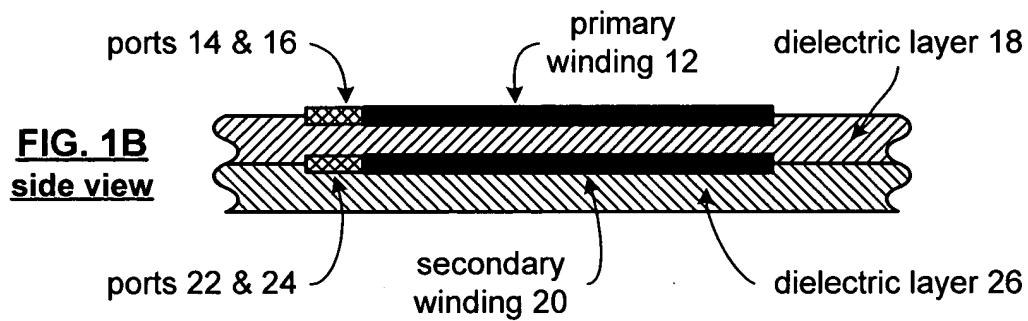
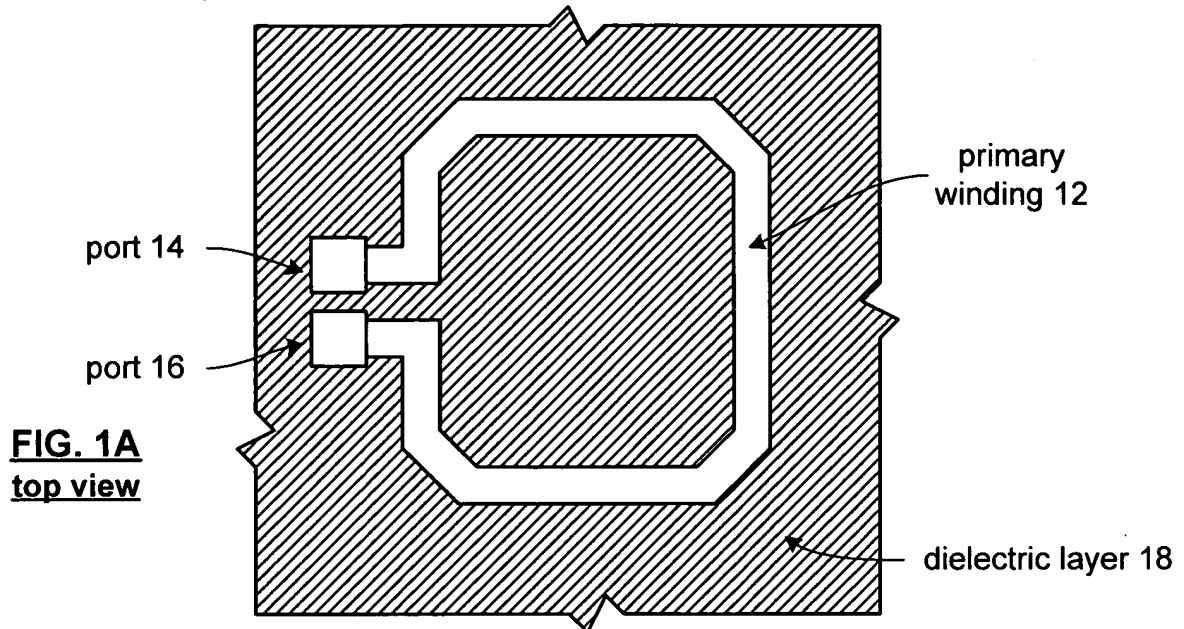


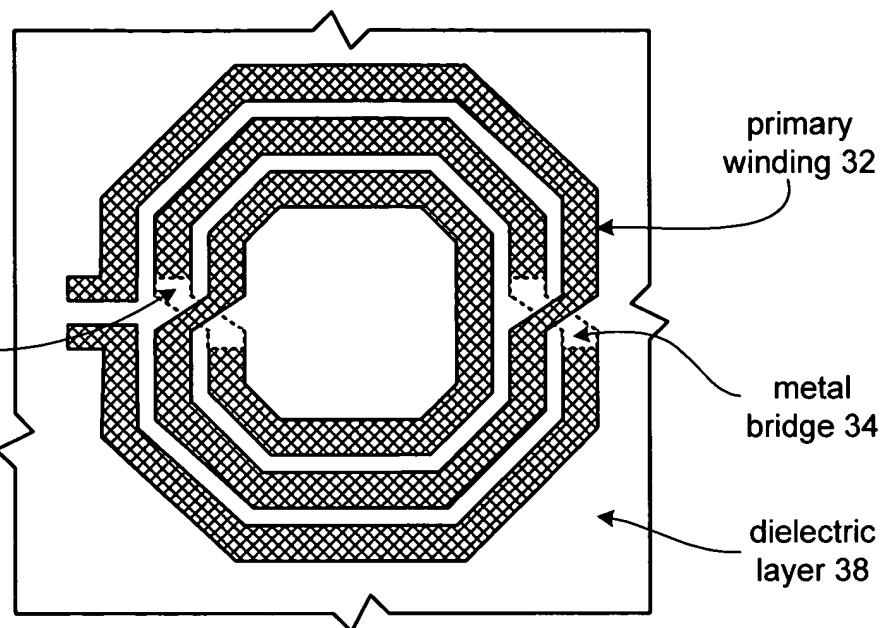
on-chip transformer 10



**on-chip  
transformer 30**

metal  
bridge 36

**FIG. 2A**  
**top view**



primary  
winding 32

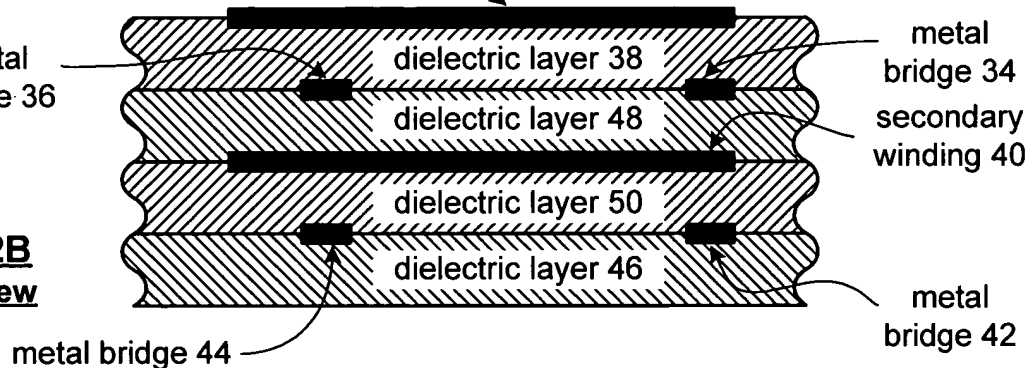
metal  
bridge 34

dielectric  
layer 38

primary winding 32

metal  
bridge 36

**FIG. 2B**  
**side view**



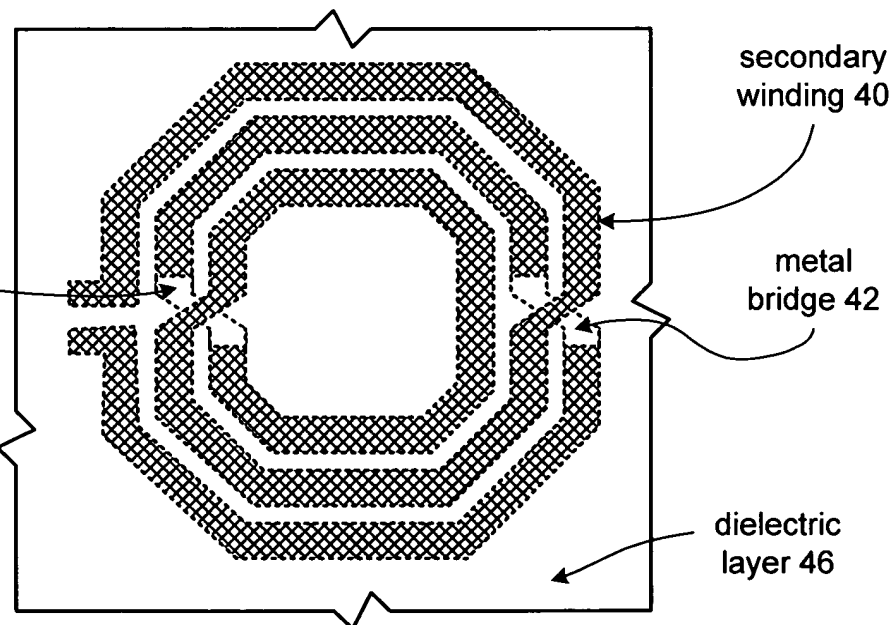
metal  
bridge 34  
secondary  
winding 40

metal  
bridge 42

metal bridge 44

metal  
bridge 44

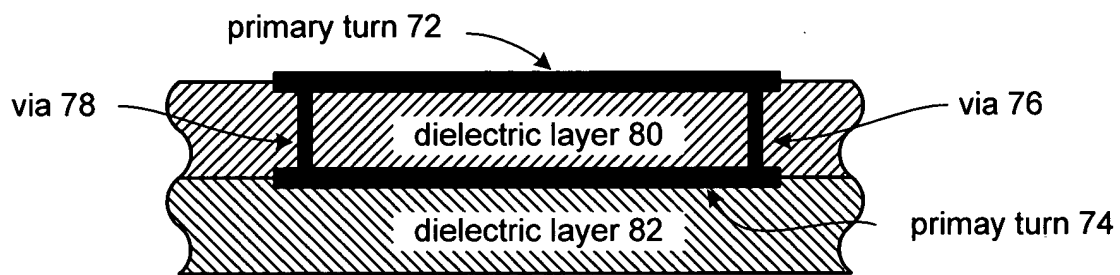
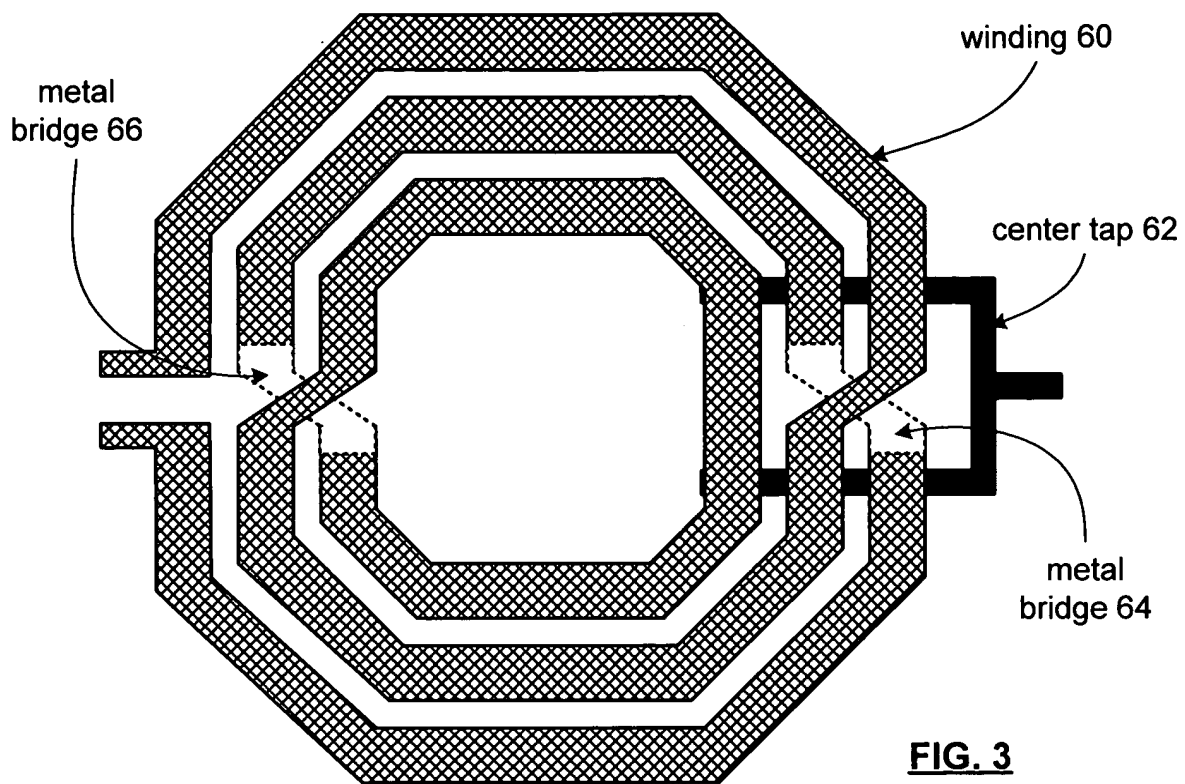
**FIG. 2C**  
**bottom view**



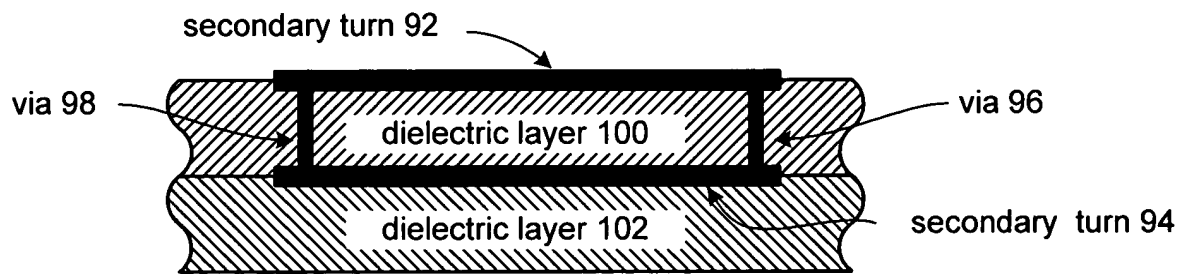
secondary  
winding 40

metal  
bridge 42

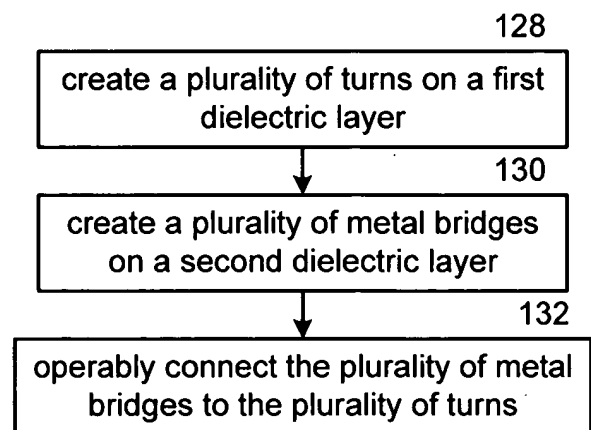
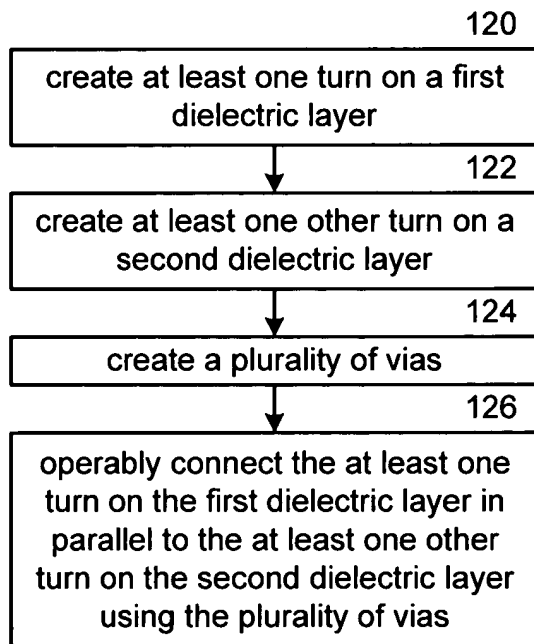
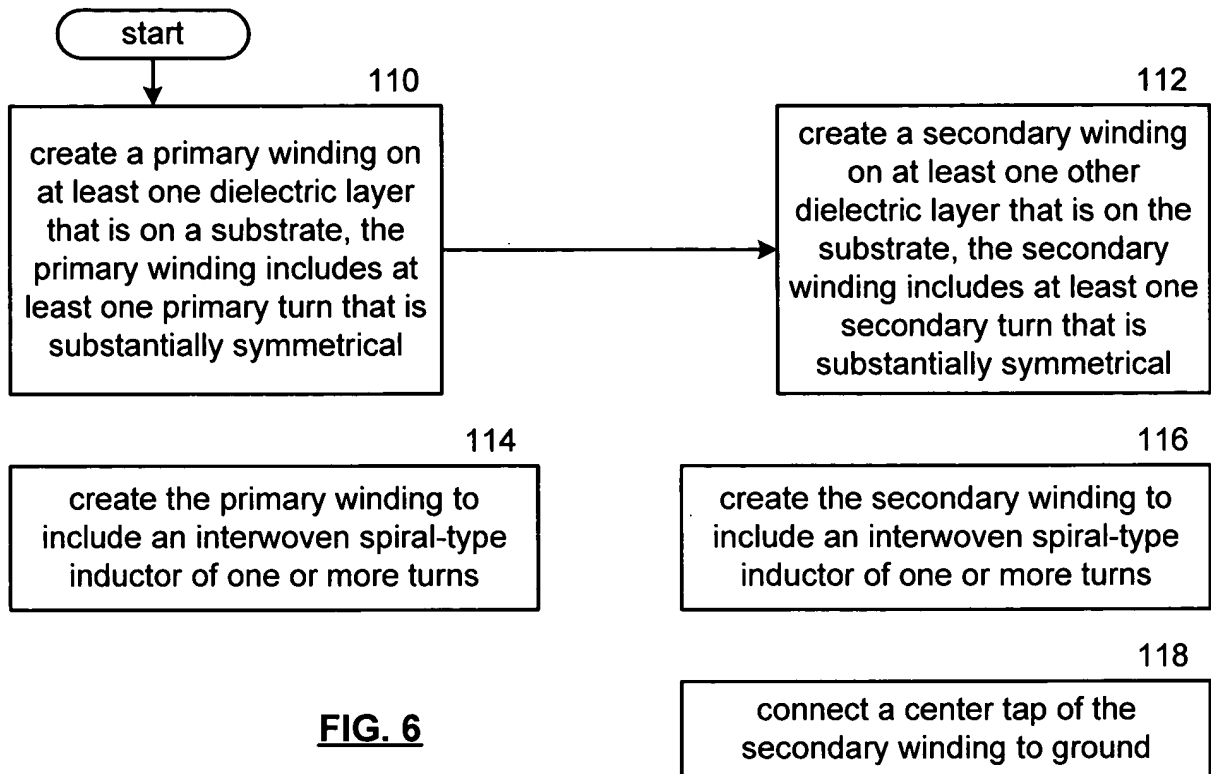
dielectric  
layer 46

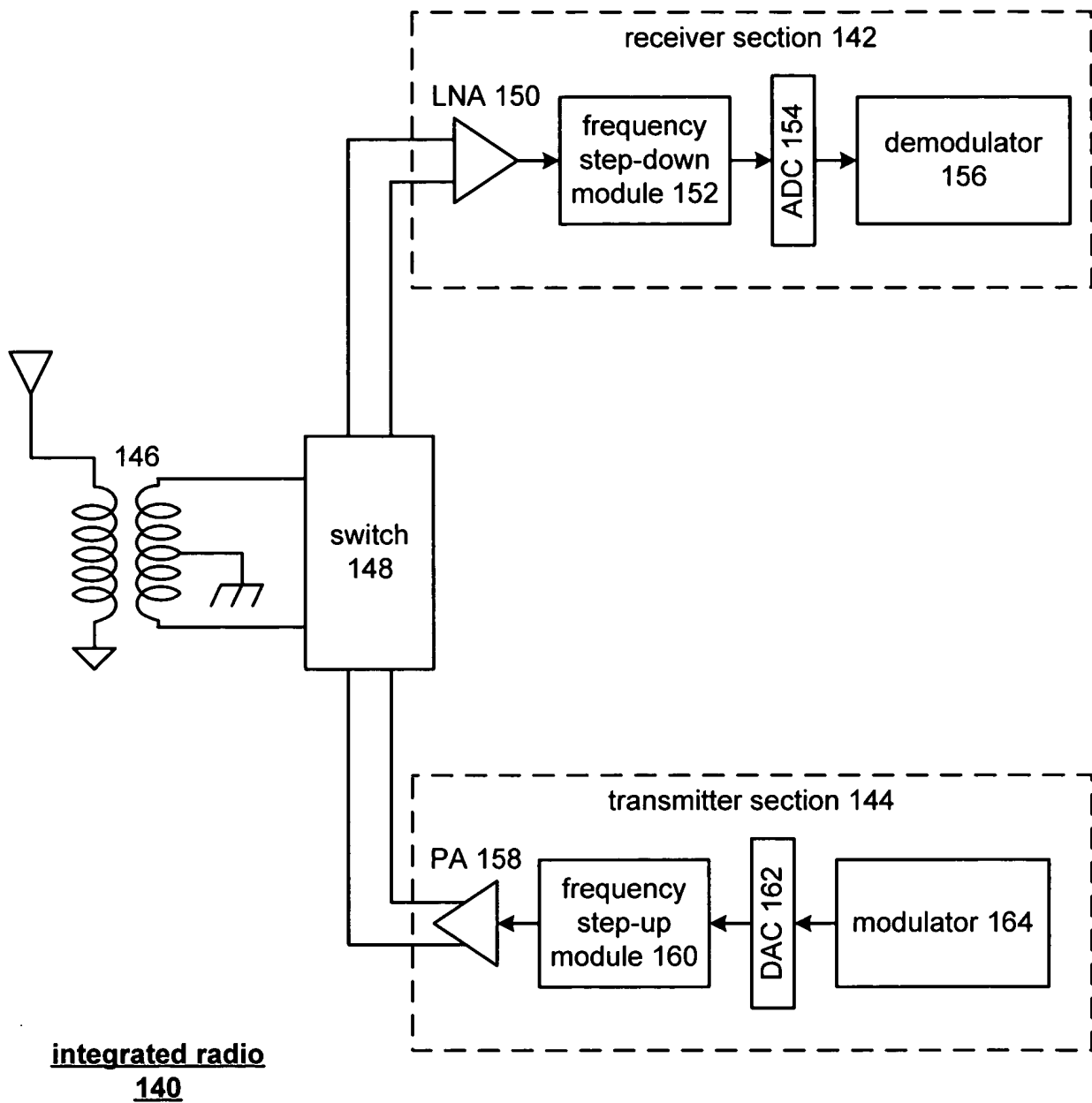


**FIG. 4**  
**primary winding 70**



**FIG. 5**  
**secondary winding 90**





**FIG. 9**